

**UWA SHRIMP DATA LOG**

Date: 15/01/00      UWA Mount No. 98-46      Whose sample? AGSO      Operator(s) (F + AR)

Indicate any change to the following: 196 204 bkg 206 207 208 238 248 254 270

Precambrian Count time (secs): 2 ✓ 10 ✓ 10 ✓ 10/20\* 30/10\* 10 ✓ 5 ✓ 87 ✓ 2 ✓  
 Phanerozoic\* Delay time (secs): 8 ✓ 3 ✓ 1 ✓ 2 ✓ 1 ✓ 1 ✓ 3 ✓ 2 ✓ 2 ✓

<sup>epoxy</sup> Steel: Wein volts / nA = ~~1.16~~ 1.6 for O<sup>-</sup>; = 1.3 for O<sub>2</sub><sup>-</sup>; = 2.2 for NO<sup>-</sup>

dead-time = 32 nanosecs      expected resolution = >4200      actual resolution = 4875

aperture = 120 microns      retardation lens = 0 volts

Expected offsets (amu): 196-204 = 8.170; 204-bkg = 0.045; 204-206 = 2.000; 206-207 = 1.000; 206-208 = 2.000

Actual: 196-204 = 8.170      204-bkg = 0.045      204-206 = 2.000

206-207 = 1.000      206-208 = 2.000

Primary-epoxy = 1.3 nA      Primary-CZ3 = 1.8 nA      PESABM-CZ3 = 26 pA

Raster time (mins): 2      Raster aperture (microns): 120      No. of scans: 6

Comments: Sensitivity = 19

Rejection	Sample/ over-ride Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204Pb ppb	f <sub>206</sub> %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	

	C23.2-6	10:48	8.2	7.5	1076	220	2.7	.23	-	489	✓
	C2.2-7	11:10	8.0	7.7	1086	229	0.8	.06	583	606	✓
4/120	A2-1	11:30	9.6	5.5	16206	462	9827	49.1	1737	2476	✓
	A1-1	11:54	7.4	6.6	4735	289	1747	21.1	1805	2359	✓
2/120	C2.4-1	12:14	8.1	7.3	1042	222	1.7	.14	578	541	✓
	A31-1	12:36	8.8	6.7	7865	462	542	5.7	1642	1992	✓
	A32-1	12:55	8.4	6.6	2391	1082	421	1.2	2399	2324	✓
	A33-1	13:13	8.0	7.2	1374	57	19	.89	2648	2638	✓

7 partly on epoxy

1st Schmel

Rejection <del>override</del>	Sample/ Std ID	Time - printout	UO/U	196 Kcps	206 cps	U ppm	204pb ppb	f206 %	Age ±1σ (Ma)		Offsets OK?
									206/238	207/206	

<sup>12+</sup> ThO	C24-2	13:32	7.8	7.1	986	237	4.8	.38	582	461	✓
	A7-1	13:53	8.0	7.0	1422	57	18	.79	2766	2667	✓
	A10-1	14:20	8.0	7.1	4177	179	125	1.9	2593	2533	✓
	A19-1	14:56	7.9	7.3	2870	116	214	4.3	2714	3113	✓
<sup>12+</sup> ThO	C24-3	15:14	8.1	6.9	983	227	0.3	.02	583	619	✓
	A24-1	15:55	7.9	7.0	2872	88	396	.70	3558	3587	✓
	A34-1	16:14	8.0	7.1	2898	133	244	5.3	2382	<del>2382</del> 2627	✓
	A29-1	16:36	7.4	6.5	2737	160	90.1	1.6	2539	2615	✓
<sup>low</sup> <sup>stat</sup>	C24-4	16:56	8.1	7.0	978	222	2.4	.2	576	571	✓
	A28-1	17:16	7.7	6.6	3446	183	242	3.8	2476	2590	✓
	A30-1	17:36	8.1	6.8	3164	137	126	2.5	2560	2633	✓
<sup>12+</sup> ThO	C3-2	18:01	7.7	6.8	1770	91	5.1	1.6	2518	2619	✓
	C32-1	18:28	7.7	6.4	1064	56	11	.51	2638	2611	✓
	C24-5	18:46	7.9	6.8	943	231	1.7	.14	586	519	✓
	C11-2	19:09	7.6	6.8	1185	59	17	.77	2616	2627	✓
	C33-1	19:27	7.9	6.5	3065	158	<del>57</del> 364	.69	2446	2564	✓
	C34-1	19:48	7.6	6.8	967	51	16	.87	2534	2703	✓
	C35-1	20:09	8.0	6.3	1844	97	66	2.0	2489	2578	✓
	C24-6	20:27	8.0	6.0	831	227	0.8	.07	569	589	✓
	C36-1	20:52	7.8	6.2	1484	78	16.3	.57	2592	2691	✓
	C37-1	21:15	7.9	6.3	771	37	41	.30	2659	2643	✓
	C20-1	21:35	7.9	6.0	920	48	5.3	.30	2659	2663	✓
<sup>low</sup> <sup>stat</sup>	C38-1	21:55	7.7	6.4	1992	110	26	.67	2519	2591	✓
	C24-7	22:14	8.1	6.2	867	220	1.9	.16	583	593	✓
	C39-1	22:35	8.0	6.2	833	37	2.4	.16	2793	2643	✓
	C40-1	22:53	8.0	6.2	1185	56	37	1.8	2645	2635	✓

10pm → went onto 98-61